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NOTICE OF ALLOWANCE AND FEE(S) DUE

26694 7590 08/21/2009

VENABLE LLP P.O. BOX 34385

WASHINGTON, DC 20043-9998

EXAMINER
JOHNSON, MATTHEW A

ART UNIT PAPER NUMBER

3656 DATE MAILED: 08/21/2009

 APPELCATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKIET NO.
 CONFIRMATION NO.

 10/520/919
 01/11/2005
 Magnus Heldesjo
 4/3315-21/2352
 4/898

TITLE OF INVENTION: DEVICE FOR AN INDUSTRIAL ROBOT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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									(Signature)
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APPLICATION NO.	FILING DATE			FIRST NAMED INVENT	FOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/520,919	01/11/2005		Magnus Heldesj					13315-212352	4898
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nonprovisional	NO		\$1510	\$300		\$0		\$1810	11/23/2009
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JOHNSON, M	IATTHEW A		3656	074-490050	_				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ess an assignee is ident h in 37 CFR 3.11. Comp	" Indica ied. Use A TO B	tion form of a Customer E PRINTED ON T		nativ ingle or a attor I be p r typ r typ e pa an a	ely, firm (having as a gent) and the name meys or agents. If a printed. e) tent. If an assignates assignment.	membes of uno nan	er a 2p to p to se is 3	ocument has been filed for
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NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req ecords of the United Sta	uired) v ites Pate	vill not be accepted ent and Trademark	d from anyone other th Office.	an th	ne applicant; a regi	stered.	attorney or agent; or th	e assignee or other party in
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/520,919	01/11/2005	Magnus Heldesjo	43315-212352	4898	
26694	7590 08/21/200	,	EXAMINER		
VENABLE LI	.P	JOHNSON, MATTHEW A			
P.O. BOX 3438:		ART UNIT	PAPER NUMBER		
WASHINGTON	, DC 20043-9998	3656			

DATE MAILED: 08/21/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 977 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 977 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/520 919 HELDESJO ET AL. Notice of Allowability Fyaminer Art Unit MATTHEW A JOHNSON 2656 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendment filed 6/4/2009. The allowed claim(s) is/are 3-14 and 17-22. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other .

/MATTHEW A JOHNSON/

Examiner, Art Unit 3656

/Richard WL Ridley/

Supervisory Patent Examiner, Art Unit 3656

Art Unit: 3656

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as provided
by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be
submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric Franklin on 8/14/2009.

The application has been amended as follows:

- In claim 4 line 3, the term "essentially" has been replaced with the term substantially –
- Claim 8 has been replaced with the following language: -- The device according to claim 7, wherein said stop elements include a set of 1-3 first stop elements which extend through a larger angle along said circular arc than a set of other stop elements which are larger in number than the first stop elements. --
- Claim 9 has been replaced with the following language: -- The device according to claim 8, wherein at least one of said first stop elements extends through an angle along said circular arc exceeding 60°. -
- Claim 10 has been replaced with the following language: The device according to claim 8, wherein said set of other stop elements include

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several other stop elements which extend through an angle along said circular arc between 10° and 40°. –

- In claim 11, the term "essentially" has been deleted.
- Claim 17 has been replaced with the following language: The device according to claim 8, wherein at least one of said first stop elements extends through an angle along said circular arc between 65° and 90°. —
- Claim 18 has been replaced with the following language: -- The device according to claim 8, wherein said set of other stop elements include several other stop elements which extend through an angle along said circular arc between 15° and 30°. -
- Claim 19 has been replaced with the following language: -- The device according to claim 8, wherein said set of other stop elements include 3-6 other stop elements which extend through an angle along said circular arc between 10° and 40°. -
- Claim 20 has been replaced with the following language: -- The device according to claim 8, wherein said set of other stop elements include 3-6 other stop elements which extend through an angle along said circular arc between 15° and 30°. -
- In claim 21, line 11, the term "essentially" has been replaced with the term -- substantially --.
- In claim 22, line 10, the phrase "mutually engaging" has been replaced with -- providing mutually engaging --.

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In claim 22, line 21, the term "essentially" has been replaced with the term -- substantially --.

In claim 22, line 22, the term "thereby" has been replaced with the term -for --.

Allowable Subject Matter

- 2. Claims 3-14 and 17-22 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: Regarding claim 21, the prior art does not teach nor render obvious the claimed combination wherein comprising a plurality of stop elements arranged adjacent to each other on the first robot part, each stop element comprising mutually engaging connecting members configured to mechanically interlock adjacent stop elements and transmit force between adjacent stop elements when the stop elements engage the first fixed stop or the second fixed stop such that the individual stop elements substantially behave as a single coherent stop element. Regarding claim 22, the prior art does not teach nor render obvious the claimed combination comprising the method of providing mutually engaging mechanically interlocking connected members on adjacent stop elements and the individual stop elements substantially behave as a single coherent stop element.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The newly cited references are cited for showing similar stop arrangements.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MATTHEW A. JOHNSON whose telephone number is (571)272-7944. The examiner can normally be reached on Monday - Friday 9:00a.m. - 5:30p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on 571-272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/MATTHEW A JOHNSON/ Examiner, Art Unit 3656

/Richard WL Ridley/ Supervisory Patent Examiner, Art Unit 3656